

All M	ultil	ateral	Implem	enting Ag	greemen	ts	
10		art Date	End Date	Status	Legally Binding	Subject	Brief Description
Aegis	: LE	:A		· · · · · · · · · · · · · · · · · · ·	· l		
10000	11/2	0/1975		la Force	(2)	Fossil Energy	IEA Coal Research
τ	itle: /	mplemen	nting Agreem	ent for the Est	ablishment o	f an IEA Clean Coal Center	
Comm	ent: E	inergy Te	echnology Inf	ormation Cent	CLR		
10001	12/2	10/1976	12/31/2003		[2]	Energy Efficiency and Renewable Energy	Renewable Energy Strategies (design know-how and technologies)
1	file: /	impleme	nting Agreem	ent for the Est		f a Program on Solar Heating and Cooling	
Comn	ent:					•	
10002	3/1	6/1977	12/14/2003	In Force	12	Energy Efficiency and Renewable Energy	Efficient Energy and end-use technologies
1	itle: /	mplemei	nting Agreem	ent for the Est	ablishment d	f a Project on Energy Conservation in Combustion	
Comn	nent: [DOE is th	he Operating	Agent			
10003	3/1	16/1977	6/30/2012	In Force	₩	Energy Efficiency and Renewable Energy	IEA - Buildings and Community Systems
•	Title:	Impleme	enting Agreen	nent for the Est	tablishment (of a Project on Energy Conservation in Buildings and Co	mmunity Systems
Com	nent:						
10004	6/2	28/1977	4/30/1997	Completed	Ø	Energy Efficiency and Renewable Energy	Heat Transfer and Heat Exchanges
•	Title:	Impleme	enting Agreen	nent for the Es	tablishment	of a Project on Heat Transfer and Heat Exchangers	
Com	ment;	DOE's in	nvolvement in	the agreement	ended in 19	96. Agreement runs until June 27, 2001	
10005	10	06/1977	*****	Completed		Fusion Energy	Superconducting Magnets
	Title:	Implem	ensing Agrees	ment for the Es	tablishment	of a Project on Superconducting Magnets for Fusion Po	mer
Com	ment;						
10006	10	0/6/1977		In Force	(∑)	Energy Efficiency and Renewable Energy	IEA- Hydrogen
	Title:	Implem	enting Agrees	ment for the Es	stablishment	of a Project on Hydrogen	
Com	ment:					·	
				••••••			

All Multilateral Implementing Agreements Start End Legally **Brief Description** Subject Date Date Binding 12/30/2002 . In Force Plasma Wall Interaction in TEXTOR 10/6/1977 **Fusion Energy** 10007 Title: Implementing Agreement for a Programme of Research and Development on Plasma Wall Interaction in Textor Comment: 10008 7/27/1978 Energy Efficiency and Renewable Energy Heat Pumping Technologies Title: Implementing Agreement for a Prgramme of Research and Development on Advanced Heat Pump Systems Comment: 2/21/1979 12/30/1998 Completed \square Energy Efficiency and Renewable Energy Title: Implementing Agreement for the Establishment of a Project on Energy Storage Comment: DOE involvement ended in 1998. Implementing agreement is still in force. Under the energy end-use technologies working group, 6/30/2001 In Force Fossil Energy Coal Combustion Sciences Title: Implementing Agreement for the Establishment of a Project on Coal Combustion Sciences Comment: In Force Energy Efficiency and Renewable Energy High Temperature Materials Title: Implementing Agreement for the Establishment of a Project on High Temperature Materials Comment: Efficient Energy End-Use Technologies Working Group 5/22/1979 12/4/1999 Completed Fossil Energy Implementing Agreement for the Establishment of a Project on Enhanced Ojl Recovery Title: Implementing Agreement for the Establishment of a Projection Enhanced Oil Recovery Comment: Fossil Fuel Technologies working group. **Fusion Materials** 10/21/1980 Pending Fusion Energy Title: Implementing Agreement for the Establishment of a Project on Fusion Materials **Energy Efficiency and Renewable Energy Pulp and Paper** 1/1/2002 Title: Implementing Agreement for the Establishment of a Project on Pulp and Paper Comment: Efficient Energy end-use technologies M Energy Efficiency and Renewable Energy Advanced Motor Fuels 10015 2/15/1985 8/31/2001 in Force Title: Implementing Agreement for the Establishment of a Project on Alternative Motor Fuels Comment: Efficient energy end-use technologies working group

Page 2 of 6

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All Multilateral Implementing Agreements Start Legally ID Subject **Brief Description** Date Date Binding 10016 7/31/1985 7/30/2000 In Force **Fusion Energy** Stellarator Research Title: Implementing Agreement for Cooperation in Development of the Stellarator Concept Comment: Fusion Power 7/31/1985 . 7/30/2000 In Force Toroidal Physics and Plasma Technologies Fusion Energy Title: Implementing Agreement for the Establishment of a Project on Toroidal Physics in and Plasma Technologies of Tokamaks Comment: Fusion Power 1/15/1986 1/14/2001 In Force Fusion Energy Three Large Tokamak Facilities Title: Implementing Agreement for the Establishment of a Project on Three Large Tokamak Facilities Comment: Fusion Power Energy Technology Data Exchange (ETDE) 1/26/1987 9/30/2003 In Force Information and/or Personnel Exchange Title: Implementing Agreement for the Establishment of the IEA Energy Technology Data Exchangea Comment: Office of Scientific and Technical Information (OSTI) is the operating agent. Fossil Energy Multiphase Flow Sciences 3/16/1987 3/15/2003 In Force Title: Implementing Agreement for the Establishment of a Project on Multiphase Flow Sciences Comment: Fossil Fuel Technologies Information and/or Personnel Exchange Energy and Environmental Technology Information Centers (EETIC) 10021 3/18/1988 In Force Title: Implementing Agreement to Establish and Operate IEA Information Centres for the Analysis and Dissemination of Demonstrated Energy Technologies Comment: Information Centers Reversed Field Pinches 4/2/2000 Pending Fusion Energy

Comment: Fusion Power

10023

8/1/1990 10/1/1998 Completed Energy Efficiency and Renewable Energy

Title: Implementing Agreement for the Establishment of a Project on Reversed Field Pinches

Superconductivity

Title: Implementing Agreement for the Establishment of a Project on High-Temperature Superconductivity

Comment: To access the impact of high temperature superconductivity of the electric power sector.

10/21/1991 10/31/2003 Pending Energy Efficiency and Renewable Energy

Wind Turbine Systems

Title: Implementing Agreement for Cooperation in the Research and Development of Wind Turbine Systems

Comment: Renewable Energy Technologies

1D	Start Date	End Date	Status	Legally Binding	Subject	Brief Description
3026	11/12/1991	12/31/2001	In Force	$\mathbf{\Sigma}$	Energy Efficiency and Renewable Energy	SolarPACES
7	lite: <i>Implemei</i>	ting Agreeme	ent for the Esta	blishment o	f a Project on Solar Power and Chemical Energy Sj	ystems
`omm	ent:					
2027	11/20/1991	11/20/2001	In Force	Ø	Fossil Energy	Greenhouse Gases R&D
7	litle: <i>Impleme</i>	nting Agreem	ent for a Co-o _l	erative Proj	gramme on Technologies Relating to Greenhouse G	Gases Derived from Fossil Fuel Uses
:omn	ient:				•	
0028	7/6/1992	7/5/2002	In Force	₩	Fusion Energy	Safety of Fusion Power
1	litle: Impleme	nting Agreem	ent on a Co-of		gramme on Environmental, Safety and Economic A:	
Comm		."				•
D031	8/11/1993	8/11/2003	In Force	₩	Energy Efficiency and Renewable Energy	
7	Title: Impleme				gramme on Photovoltaic Power Systems	Photovoltaic Power Systems
				m is to enhar	nce the international collaboration efforts through wh	ich photovoltaic solar energy becomes a significant renewable energy option in the near future.
0032		9/27/2003		52}	Energy Efficiency and Renewable Energy	***************************************
		_			echnologies and Programmes for Demand Side Ma	Demand Side Management
_	nent: Efficient				ocomorogres and a rogrammes for pemana stag ma	nagement .
				· · · · <u>• · · · ·</u> ·		
0033	5/17/1994 Titles James	•	In Force		Energy Efficiency and Renewable Energy	District Heating and Cooling
	-		•		of a Project on District Heating and Cooling	
Comi	ment: Efficient	Energy End-	Jse Technolog	ics		
0034	6/13/1994	6/12/1999	Expired	\square	Fusion Energy	Nuclear Technology of Fusion Reactors
	Title: Implem	enting Agreen	ent on a Co-o	perative Pro	gramme on Nuclear Technology of Fusion Reactor	rs .
Com	ment:					
0035	7/12/1994	11/17/2004	Pending	₩.	Energy Efficiency and Renewable Energy	Hybrid amd Electric Vehicles
	Title: <i>Implem</i>	enting Agreen	nent for the Es	ablishment	of a Project on Hybrid amd Electric Vehicles	
Com	ment: Efficien	Energy End.	Use Technolog	ics		
10036	1/26/1995	4/4/2000	In Force	I∑ I	Fossil Energy	International Center for Gas Technology Information
					of an International Center for Gas Technology Infa	· · · · · · · · · · · · · · · · · · ·
Con	ment: Energy				•	

Mon		2001	3:46:26 PM			Page 1

Page 4 of 6

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0037	5/11/1995	12731/1998	In Force	Ø	Energy Efficiency and Renewable Energy	Advanced Fuel Cells
Tie	le: Implemeņ	ting Agreeme	nt for a Progr	am of Resea	rch, Development, and Demonstration on Advanced	d Fuel Cells
Comme	nt:					
0038	1/1/1996	6/30/1999	Expired	2	Other - Systems Analysis	
TI	te: <i>Implemen</i>	ting Agreem	int for a Progi	ramme of E	nergy Technology Systems Analysis	
Comme	at:					
i0039	3/7/1997	3/31/2002	In Force	[2]	Energy Efficiency and Renewable Energy	Geothermal
TI	ile: <i>Implemer</i>	iting Agreem	ent for the Est	ablishment c	of a Project on Geothermal	·
	nt: Renewab					
	·.					
A aaie•	. AIF I					
urgis.	NEA .					
10024	9/16/1991	5/8/1997	Expired	IJ	Information and/or Personnel Exchange	Exchange of nuclear data and related information and computer packages pertinent to civilize
10024	9/16/1991		•		·	nuclear science and technology collicted by NEA-DB, NNDC, ESTSC, EPIC
10024	9/16/1991		•		·	Exchange of nuclear data and related information and computer packages pertinent to civiliz nuclear science and technology collected by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs
10024	9/16/1991 itle: <i>Coopera</i>		•		·	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs
10024 TI Comm	9/16/1991 itle: <i>Coopera</i> l		•		ates Departmentof Energy and the Nuclear Energy .	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs
10024 TI Comm	9/16/1991 itle: <i>Coopera</i>	ive Arrangen	•	he United St	ates Departmentof Energy and the Nuclear Energy .	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs
Commo	9/16/1991 itle: Cooperate ent: : None 7/21/1992 itle: Agreeme	ive Arrangen	Completed	he United St	ates Departmentof Eneryg and the Nuclear Energy	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs
Ti Comm Aegis 10029	9/16/1991 idle: Cooperat ent: : None 7/21/1992 idle: Agreeme Thermo	ive Arrangen 7/22/1999 ent among the	Completed European Atti	he United St	ates Departmentof Eneryg and the Nuclear Energy Fusion Energy Community, Japan, the Russian Federation, and th	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER
Ti Comm Aegis 10029	9/16/1991 idle: Cooperat ent: : None 7/21/1992 idle: Agreeme Thermo	ive Arrangen 7/22/1999 ent among the	Completed European Atti	he United St	ates Departmentof Eneryg and the Nuclear Energy	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER The United States on Cooperation in the Engineering Design Activities for the International
Ti Comm Aegis 10029	9/16/1991 idle: Cooperat ent: : None 7/21/1992 idle: Agreeme Thermo	7/22/1999 ent among the nuclear Expension	Completed European Atti	he United St	Tusion Energy Community, Japan, the Russian Federation, and the Source of the Source	nuclear science and technology collicated by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER The United States on Cooperation in the Engineering Design Activities for the International
Common Topics To	9/16/1991 itle: Cooperate ent: None 7/21/1992 itle: Agreeme Thermonet: None, E 9/24/1992	7/22/1999 ent among the succear Exper	Completed European Attimental Reaction, Japan and R Expired	he United States of Conference Energy for (ITER) ussia (set Actual States of Conference Items of Conferenc	Fusion Energy Community, Japan, the Russian Federation, and the None) - currently file # 308 Information and/or Personnel Exchange	nuclear science and technology collected by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER the United States on Cooperation in the Engineering Design Activities for the International Exchange of technical data ment of Sweden, The Royal Ministry of Petroleum and Energy of Norway, the Ministry of Trade and
Common Tours	9/16/1991 itle: Cooperate ent: : None 7/21/1992 itle: Agreeme Thermonent: None, E. 9/24/1992 [itle: Memore Industry	7/22/1999 ent among the succear Exper	Completed European Attimental Reaction, Japan and R Expired	he United States of Conference Energy for (ITER) ussia (set Actual States of Conference Items of Conferenc	Fusion Energy Community, Japan, the Russian Federation, and the state of the state	nuclear science and technology collected by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER the United States on Cooperation in the Engineering Design Activities for the International Exchange of technical data ment of Sweden, The Royal Ministry of Petroleum and Energy of Norway, the Ministry of Trade and
Common Time Time Time Time Time Time Time Time	9/16/1991 itle: Cooperate ent: : None 7/21/1992 itle: Agreeme Thermonent: None, E. 9/24/1992 [itle: Memore Industry	7/22/1999 ent among the nuclear Experimence Union 9/24/1997 endum of Union of Finland, to	Completed European Attimental Reaction, Japan and R Expired	he United States of Conference Energy for (ITER) ussia (set Actual States of Conference Items of Conferenc	Fusion Energy Community, Japan, the Russian Federation, and the state of the state	nuclear science and technology collected by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER the United States on Cooperation in the Engineering Design Activities for the International Exchange of technical data tent of Sweden, The Royal Ministry of Petroleum and Energy of Norway, the Ministry of Trade and
Ti Comm. Aegis 10029 T Comm. 10030	9/16/1991 itle: Cooperate ent: : None 7/21/1992 itle: Agreeme Thermon nent: Nonc, E. 9/24/1992 fille: Memore Industry nent: 12/4/1997	7/22/1999 ent among the suclear Expension Union 9/24/1997 endum of Union of Finland, 4	Completed European Attilimental Reaction, Japan and Ricestanding Anthe Danish English	omic Energy for (ITER) ussia (set Ac	Fusion Energy Community, Japan, the Russian Federation, and the None) - currently file # 308 Information and/or Personnel Exchange ilonal Board for Industrial and Technical Development of Energy of the United States	nuclear science and technology collected by NEA-DB, NNDC, ESTSC, EPIC Agency of the OECD in the Field of Nuclear Data and Computer Programs ITER he United States on Cooperation in the Engineering Design Activities for the International Exchange of technical data nent of Sweden, The Royal Ministry of Petroleum and Energy of Norway, the Ministry of Trade and to of America

3:46:26 PM

Monday, August 06, 2001

Page 5 of 6

Il Multilateral Implementing Agreements						
ID i	Start Date	End Date	Status	Legally Binding	Subject	Brief Description
0041	12/8/1997	12/8/2017	In Force	₩.	Science and Technology	CERN - LHC Agreement
Title: International Co-operation Agreement between the European Organization for Nuclear Research (CERN) and the Department of Energy of the United States of America and the National Science Foundation of the United States of America Concerning Scientific and Technical Co-operation on large Hadron Collider Activities						
Comme	ent:					
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